



Climate Change and Natural Resource Management

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CLIMATE CHANGE AND NATURAL RESOURCE MANAGEMENT

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Contents

<i>Foreword</i>	<i>v</i>
<i>Preface</i>	<i>vii</i>
<i>List of Contributors</i>	<i>ix</i>
1 Greenhouse Effect and Contribution of Indian Agriculture	1
– <i>S. Lenka, N. K. Lenka and A. Subba Rao</i>	
11.1 Introduction	1
1.2 Greenhouse gases (GHGS) and greenhouse effect	2
1.3 Radiative forcing	3
1.4 Global warming potential	6
1.5 Emission and removal of GHGs from agriculture	8
1.6 Inventory of GHGs in agriculture	17
1.7 Conclusion	18
2 Climate Change and Weather Extremes in India	21
– <i>N. K. Lenka</i>	
2.1 Introduction	21
2.2 Weather extremes in Indian climate	23
2.3 Are extreme events due to natural variability or due to climate change?	33
2.4 Implications for Indian agriculture	34

3 Importance of Tropospheric Ozone in Climate Change Research	37
– <i>S. Lenka</i>	
3.1 Introduction	37
3.2 Formation and concentration of ozone in troposphere	38
3.3 Ozone and other environmental factors	40
3.4 Impacts of ozone	41
3.5 Ozone risk assessment	43
3.6 Management strategies to overcome ozone injury	46
3.7 Status of research in India	49
3.8 Conclusion	50
3.9 Future thrust	51
4 Impact of Elevated CO₂ and Temperature on Crop ET and Plant Water Productivity	59
– <i>N. K. Lenka</i>	
4.1 Introduction	59
4.2 Evapotranspiration and plant water productivity	60
4.3 Impact of elevated CO ₂	61
4.4 Interactive effect of elevated CO ₂ and temperature	67
4.5 Simulating crop yield response to evapo-transpiration	71
4.6 Researchable issues	71
5 Elevated Atmospheric CO₂- Its Indirect Effects on Soil Processes	75
– <i>S. Kundu, S. Rajendiran, and M. Vassanda Coumar</i>	
5.1 Introduction	75
5.2 Soil as a source and sink of greenhouse gases	76
5.3 Influence of elevated atmospheric co ₂ on soil processes	78
5.4 Conclusions	89
6 Impact of Climate Change on Rhizosphere Microbial Activity and Nutrient Cycling	93
– <i>A. Mandal, T. K. Radha and S. Neenu</i>	
6.1 Introduction	93
6.2 Climate change and microbes	94
6.3 Role of microbes in nutrient cycling	97

6.4	Climatic factors affecting the microbial nutrient recycling	108
6.5	Conclusion	111
7	Feedbacks of CO₂ Fertilization on Soil and Plant Nitrogen...	117
	– <i>N. K. Lenka</i>	
7.1	Introduction	117
7.2	Principle of resource allocation under altered resource balance conditions	119
7.3	CO ₂ fertilization effect: feedbacks on N availability	119
7.4	Additional N supply may offset negative feedbacks of CO ₂ fertilization effect	124
7.5	Researchable issues	129
8	Enteric Methane Emission in Domestic Ruminant Livestock: Prediction and Measurement	135
	– <i>V. Sejian, B. Saumya and A. K. Singh</i>	
8.1	Introduction	135
8.2	Emission trend of CH ₄ from developed and developing countries	138
8.3	Livestock and climate change – Indian scenario	139
8.4	Enteric CH ₄ emission from ruminant livestock	140
8.5	Enteric fermentation - process description	142
8.6	Factors that influence enteric CH ₄ emission	144
8.7	Modelling enteric CH ₄ emission	147
8.8	Methodologies to estimate enteric CH ₄ emission	148
8.9	Conclusion	150
9	Adaptation Strategies in Agriculture in Context of Climate Change	159
	– <i>S. Lenka</i>	
9.1	Introduction	159
9.2	Adverse effects of climate change	160
9.3	Adaptation strategies	162
9.4	Conclusion	172
9.5	Future thrust	173

10 Impact of Climate Change on Insect Pests, Beneficial Insects and Possible Adaptation Strategies.....177

– *M.S. Rao and B. Venkateswarlu*

10.1 Introduction 177

10.2 Insects 178

10.3 Impacts of climate change on insects and pests 179

10.4 Adaptation strategies to climate change 187

11 Climate Change Mitigation Options in Agriculture.....195

– *S. Lenka, N. K. Lenka and R. S. Chaudhary*

11.1 Introduction 195

11.2 Mitigation options in agriculture 196

11.3 Cost and benefits 211

11.4 Conclusion 212

11.5 Future thrust 213

12 Role of Farm Machinery in Reducing Greenhouse Gas Emissions.....215

– *R. C. Singh*

12.1 Introduction 215

12.2 Carbon emissions from direct energy 216

12.3 Agricultural machinery to reduce the GHG emissions 217

12.4 Reduction of GHG emissions by use of biodiesel as fossil fuel in agricultural machinery 231

13 Strategies to Reduce Enteric Methane Emission in Domestic Ruminant Livestock.....235

– *V. Sejian and S. Indu*

13.1 Introduction 235

13.2 Mechanism of CH₄ reduction 237

13.3 Different enteric CH₄ mitigation strategies for ruminant livestock 241

13.4 Conclusions 257

14 Carbon Sequestration in Indian Agriculture.....269

– *S. Kundu, M. L. Dotaniya and S. Lenka*

14.1 Introduction 269

14.2 Agricultural ecosystems: tool for stabilizing atmospheric CO₂ 270

14.3 Soil carbon sequestration	273
14.4 Carbon sequestration potential of major cropping system of India	276
14.5 Factors affecting carbon sequestration potential in cropping system	278
14.6 Conclusion	284
15 Carbon Credits and Trading - An Opportunity for Indian Farmers	291
<i>– C.A. Rama Rao, B. Venkateswarlu and Josily Samuel</i>	
15.1 Introduction	291
15.2 Regulatory markets	296
15.3 Voluntary markets	303
15.4 The Chicago climate exchange	303
15.5 Over the counter (OTC)	304
15.6 Problems in CDM	309
15.7 Voluntary markets are different from CDM and have advantages over CDM	311
15.8 What needs to be done	312
16 Use of Simulation Models to Assess the Impact of Climate Change on Agro-ecosystems.....	317
<i>– M. Mohanty and Nishant K Sinha</i>	
16.1 Introduction	317
16.2 Climate models	319
16.3 Climate change and agro-ecosystems	321
16.4 Climate change and soil processes	322
16.5 Climate change and crop productivity	326
16.6 Climate change and crop pest incidence	326
16.7 Simulation models	328
16.8 Simulation models in climate change research	341
<i>Index</i>	<i>359</i>

Climate Change and Natural Resource Management



This book addresses the important issues of food security and sustainability of natural resources of India in the context of the projected climate change. Agroecosystems being the sites of intense interaction between human beings and natural world, global climate change is likely to affect the resource base, the crop productivity, input use efficiency and overall the profitability of agricultural production systems to a great extent. However, the adverse effects of climate change can be alleviated through mitigation and adaptation strategies which carry importance due to the increasing population and food demand in India.

Thus, this compilation covers possible sources and sinks of greenhouse gases in Indian context including the potentials of soil carbon sequestration, crop pest and soil management and scientific livestock management as mitigation and adaptation options. This book also includes some topics on fundamentals of green house effect and the possible mechanisms by which soil nutrient availability alters due to CO₂ fertilization. The schematic diagrams, tables and graphs have been included to make the book more illustrative. The likelihood of carbon credits and trading through best management practices can help Indian farmers earning carbon credits in future. The book is useful for researchers, farm managers, policy makers and also students engaged in climate change related studies.

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